Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A method of training a device for linearizing a radiofrequency amplifier which is included within a radiofrequency transmitter of a first equipment of a radiocommunication system, which transmitter is adapted for transmitting bursts according to a determined frame structure, each burst comprising symbols belonging to a determined alphabet of symbols, the method comprising the steps consisting in:

a) generating a linearization training sequence comprising a determined number N of symbols, where N is a determined integer;

b) transmitting the linearization training sequence by means of the transmitter in at least certain of the bursts transmitted by the latter;

c) comparing the linearization training sequence transmitted with the linearization training sequence generated so as to ~~teach~~ train said linearization device,

wherein, in step b), the linearization training sequence is included in a sequence of symbols that is also further designed to allow the adjusting of ~~parameters of the transmission chain between said first equipment and~~ at least one parameter of a radiofrequency receiver of a second equipment of the radiocommunication system with which said first item of equipment communicates.

Claim 2 (currently amended): The method of Claim 1, wherein the sequence of symbols that is designed to allow the adjusting of ~~parameters~~ at least one parameter of the radiofrequency receiver is a sequence of symbols that is designed to allow the dynamic control of the gain of a variable-gain amplifier of ~~a radiofrequency receiver of a second equipment of the radiocommunication system with which the first equipment communicates~~ said radiofrequency receiver.

Claim 3 (previously presented). The method of Claim 1, wherein the linearization training sequence occupies only a part of the burst in which it is transmitted.

Claim 4 (previously presented). The method of Claim 3, wherein the linearization training sequence occupies around 5% of the duration of the burst in which it is transmitted.

Claim 5 (currently amended). The method of Claim 1, wherein the linearization training sequence is transmitted at the start of the determined frame structure.

Claim 6 (previously presented). The method of Claim 1, wherein the linearization training sequence is further transmitted during a change of logical channel, a change of frequency and/or a change of power rating of the first equipment.

Claim 7 (currently amended). The method of Claim 1, wherein the sequence of symbols that is designed to allow the dynamic control of the transmission power of the first equipment comprises more than N symbols, and ~~according to which~~ wherein said N symbols of the linearization training sequence are the symbols of the sequence of symbols that is designed to allow the dynamic control of the transmission power of the first equipment which are sent first.

Claim 8 (currently amended). A device for training a device for linearizing a radiofrequency amplifier which is included within a radiofrequency transmitter of a first equipment of a radiocommunication system, which transmitter is adapted for transmitting bursts according to a determined frame structure, each burst comprising symbols belonging to a determined alphabet of symbols, the device comprising:

a) means for generating a linearization training sequence comprising a determined number N of symbols, where N is a determined integer;

b) means for transmitting the linearization training sequence by means of the transmitter in at least certain of the bursts transmitted by the latter;

c) means for comparing the linearization training sequence transmitted with the linearization training sequence generated so as to ~~teach~~ train said linearization device,

wherein said linearization training sequence is included in a sequence of symbols that is also further designed to allow the adjusting of ~~parameters of the transmission chain between said first equipment and~~ at least one parameter of a radiofrequency receiver of a second equipment of the radiocommunication system with which said first item of equipment communicates.

Claim 9 (currently amended). The device of Claim 8, wherein the sequence of symbols that is designed to allow the adjusting of ~~parameters~~ at least one parameter of the radiofrequency receiver is a sequence of symbols that is designed to allow the dynamic control of the gain of a variable-gain amplifier of ~~a radiofrequency receiver of a second equipment of the radiocommunication system with which the first equipment communicates~~ said radiofrequency receiver.

Claim 10 (previously presented). The device of Claim 8, wherein the linearization training sequence occupies only a part of the burst in which it is transmitted.

Claim 11 (previously presented). The device of Claim 10, wherein the linearization training sequence occupies around 5% of the duration of the burst in which it is transmitted.

Claim 12 (currently amended). The device of Claim 8, wherein the means for transmitting are adapted for transmitting the linearization training sequence at the start of the determined frame structure.

Claim 13 (previously presented). The device of Claim 8, wherein the means for transmitting are adapted for transmitting, moreover, the linearization training sequence during a change of logical channel, a change of frequency and/or a change of power rating of the first equipment.

Claim 14 (previously presented). The device of Claim 8, wherein the sequence of symbols that is designed to allow the adjusting of parameters comprises more than N symbols, and wherein said N symbols of the linearization training sequence are the symbols of the sequence of symbols that is designed to allow the adjusting of parameters which are sent first.

Claim 15 (previously presented). A mobile terminal of a radiocommunication system, comprising a radiofrequency transmitter having a radiofrequency amplifier and a device for linearizing the radiofrequency amplifier, further comprising a device for training the linearization device as claimed in any one of claims 8 to 14.

Claim 16 (previously presented). A base station of a radiocommunication system comprising a radiofrequency transmitter having a radiofrequency amplifier and a device for linearizing the radiofrequency amplifier, further comprising a device for training the linearization device as claimed in any one of claims 8 to 14.